UCLA Stein Eye Institute and Doheny Eye Institute present the

International Retinal Imaging Symposium 2020

IntRIS 2020

Friday-Saturday, March 13-14, 2020

California NanoSystems Institute at UCLA
570 Westwood Plaza
Los Angeles, CA 90095
The International Retinal Imaging Symposium (IntRIS 2020) will feature a series of lectures devoted to advanced retinal imaging and the newest developments in this exciting field. Innovative systems such as fundus autofluorescence, ultra-widefield imaging, spectral domain and swept source optical coherence tomography (OCT), and OCT angiography will all be covered. A groundbreaking session on artificial intelligence and deep learning will also be highlighted in the program. IntRIS 2020 will include a full day of lectures by many of the world’s experts in retinal imaging who will speak on recent innovations in retinal imaging that have occurred in this rapidly advancing field.

Our world-renowned faculty will aim to familiarize course participants with the newest evolving technologies and will guide and instruct our registrants in the application of these advanced systems and in the interpretation of novel and challenging imaging findings. This will help our participants better manage their patients with macular and retinal disorders and achieve better patient outcomes in their practices.

We welcome your participation at IntRIS 2020 which promises to provide insight and understanding in retinal imaging and showcase the integral importance of innovative retinal imaging in the evaluation and management of retinal disease.

David Sarraf, M.D.
K. Bailey Freund, M.D.
Srinivas Sadda, M.D.
SPEAKERS

Thomas Ach, M.D.
Steven Bailey, M.D.
Francesco Bandello, M.D.
Caroline Baumal, M.D.
Paul Bernstein, M.D., Ph.D.
Barbara Blodi, M.D.
Enrico Borrelli, M.D.
Gemmy Cheung, M.D.
Jay Chhablani, M.D.
Christine Curcio, Ph.D.
Xiaoyan Ding, M.D., Ph.D.
Amitha Domalpally, M.D.
Chantal Dysli, M.D., Ph.D.
K. Bailey Freund, M.D.
Alain Gaudric, M.D.
Andrea Goyotto, M.D., Ph.D.
Elizabeth M. Hartnett, M.D.
Frank Holz, M.D.
David Huang, M.D., Ph.D.
Jean Pierre Hubschman, M.D.
Michael Ip, M.D.
Lee Jampol, M.D.
Yali Jia, Ph.D.
Jesse Jung, M.D.
Pearse Keane, M.D.
Kiyoung Kim, M.D., Ph.D.
Valerie Krivosic, M.D.
Won Ki Lee, M.D.
Alexandra Miere, M.D.
Marion Munk, M.D., Ph.D.
Eduardo Navajas, M.D.
Nopasak Phasukkijwatana, M.D.
Francesco Pichi, M.D.
Rony Preti, M.D.
Giuseppe Querques, M.D., Ph.D.
Francisco J. Rodriguez, M.D.
Richard Rosen, M.D.
Philip Rosenfeld, M.D., Ph.D.
Riccardo Sacconi, M.D.
SriniVas Sadda, M.D.
David Sarraf, M.D.
Lydia Sauer, M.D.
J. Sebag, M.D.
Kent Small, M.D.
Eric Souied, M.D., Ph.D.
Richard Spaide, M.D.
Kelvin Teo, M.D.
Aristomenis Thanos, M.D.
Nadia Waheed, M.D.
Ruikang Wang, Ph.D.
Lawrence Yannuzzi, M.D.
Seung-Young Yu, M.D., Ph.D.
Yuhua Zhang, Ph.D.

MODERATORS

Caroline Baumal, M.D.
Barbara Blodi, M.D.
Alexander Brucker, M.D.
Gemmy Cheung, M.D.
Christine Curcio, Ph.D.
Amitha Domalpally, M.D.
Amani Fawzi, M.D.
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Nadia Waheed, M.D.
Lawrence Yannuzzi, M.D.
Seung-Young Yu, M.D.
FRIDAY, MARCH 13, 2020

8.00 – 9.00  BREAKFAST AND REGISTRATION

ARTIFICIAL INTELLIGENCE
Moderators: Nadia Waheed, M.D. and SriniVas Sadda, M.D.

9.00 – 9.12  Extraction of Patient Specific Information from OCT and Fundus Images in the Wild
Marion Munk, M.D., Ph.D.

9.12 – 9.24  Deep Learning-Based Classification of Retinal Inherited Diseases by Means of Fundus Autofluorescence Using a Deep Convolutional Neural Network Classifier
Alexandra Miere, M.D.

9.24 – 9.36  Determinates of Cone- and Rod- Function in Geographic Atrophy: AI-based Structure-Function Correlation
Frank Holz, M.D.

9.36 – 9.48  Automated Diagnosis and Segmentation of Choroidal Neovascularization in OCT Angiography using Deep Learning
Yali Jia, Ph.D.

INNOVATIONS I
Moderators: Marion Munk, M.D., Ph.D. and K. Bailey Freund, M.D.

9.50 – 10.02  In Vivo Imaging Spatial-Temporal Distribution of the Erythrocytes in Human Retinal Capillaries
Yuhua Zhang, Ph.D.

10.02 – 10.14  Quantitative Fundus Autofluorescence (QAF): Must Have or Nice to Have?
Thomas Ach, M.D.

10.14 – 10.26  Confocal Resonance Raman Imaging of Lutein and Zeaxanthin in the Human Retina
Paul Bernstein, M.D., Ph.D.

INNOVATIONS II
Moderators: Yali Jia, Ph.D. and David Huang, M.D., Ph.D.

10.28 – 10.40  A Novel Import Feature for Correlating Microperimetry with Optical Coherence Tomography
K. Bailey Freund, M.D.

10.40 – 10.52  OCT Angiography and Beyond – Adventures in Quad Detector AOSLO Imaging
Richard Rosen, M.D.

10.52 – 11.04  Three-Dimensional Para-Foveal Avascular Zone Vessel Density – a New OCT Angiography Metric to Evaluate Foveal Ischemia in Diabetic Retinopathy
David Huang, M.D., Ph.D.

ANATOMY
Moderators: Christine Curcio, Ph.D. and Alain Gaudric, M.D.

11.06 – 11.18  Retinal Capillary Plexus Pattern and Density from Fovea to Periphery in Healthy Eyes with Swept-Source Optical Coherence Tomography Angiography
Alain Gaudric, M.D.

11.18 – 11.30  Redefining Exudative Versus Trabecular Cystoid Macular Edema with Multimodal Imaging
Andrea Gatto, M.D., Ph.D.

11.30 – 11.42  Hypereflective Stress Lines and Macular Holes
David Sarraf, M.D.

11.42 – 11.54  Type 1 Macular Neovascularization (MNV) Supporting Outer Retina in Age-Related Macular Degeneration (AMD): Clinicopathologic Correlation and Comparison with Native Choriocapillaris (Chc)
Christine Curcio, Ph.D.

12.00 – 1.20  LUNCH

OCT ANGIOGRAPHY
Moderators: Amitha Domalpally, M.D., Ph.D. and Eric Souied, M.D., Ph.D.

1.30 – 1.42  Effects of Induced Astigmatism on SD-OCTA Quantitative Metrics
Jesse Jung, M.D.

1.42 – 1.54  Quality Assessment from OCT Angiography Submissions in Clinical Trials
Amitha Domalpally, M.D., Ph.D.

AMD I
Moderators: Amitha Domalpally, M.D., Ph.D. and Eric Souied, M.D., Ph.D.

1.56 – 2.08  Spectrum of Fibrotic Lesions in Neovascular AMD
Eric Souied, M.D., Ph.D.

2.08 – 2.20  The Evolution of Choroidal Neovascularization Undergoing Chronic Anti-Vascular Endothelial Growth Factor Treatment
Nadia Waheed, M.D.

DIABETIC RETINOPATHY I
Moderators: Gemmy Cheung, M.D. and Giuseppe Querques, M.D., Ph.D.

2.22 – 2.34  Imaging of Retinal Vascular Diseases, Specifically Diabetes
Lee Jampol, M.D.

2.34 – 2.46  Effect of Cysts on External Retinal Layers in Patients with Cystoid Diabetic Macular Edema
Rony Preti, M.D.

2.46 – 2.58  Area of Disorganization of the Retinal Inner Layers (DRIL) as a Biomarker in DME: A Secondary Analysis from the TYBEE Phase 2 Clinical Trial
Michael Ip, M.D.

2.58 – 3.10  Changes in Macular Perfusion after Fluocinolone Implant for Diabetic Macular Edema: an OCTA study
Francesco Bandello, M.D.

DIABETIC RETINOPATHY II AND MAC TEL
Moderators: Amani Fawzi, M.D. and Richard Spaide, M.D.

3.15 – 3.27  In Vivo Rotational Three-Dimensional OCTA Analysis of Microaneurysms in the Human Diabetic Retina
Enrico Borrelli, M.D.

3.27 – 3.39  Quantification of Retinal Microvasculature in Different DR Grades Using Wide-Field SS-OCTA
Kiyoun Kim, MD, PhD

3.39 – 3.51  Detection of Capillary Neuronal Distance on Optical Coherence Tomography Angiography Utilizing Deep Neural Networks
Eduardo Novajos, M.D.

3.51 – 4.03  Optical Coherence Tomography of Outer Retinal Capillary Proliferation and Pigment Deposit in Type 2 Macular Telangiectasia
Valerie Kivojisic, M.D.

4.03 – 4.15  Multimodal Imaging of Neurovascular Relationships in MacTel
Amani Fawzi, M.D.

4.15  ADJOURN
SATURDAY, MARCH 14, 2020

8.00 – 9.00  BREAKFAST AND REGISTRATION

RETNAL VEIN OCCLUSION
Moderators: Barbara Blodi, M.D. and Michael Ip, M.D.

9.00 – 9.12  Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) in Retinal Vein Occlusion
Chantal Dysli, M.D., Ph.D.

9.12 – 9.24  Association of Ellipsoid Zone Integrity and Visual Acuity in Eyes with Macular Edema in the Study of Comparative Treatments for Retinal Vein Occlusion 2 (SCORE2)
Barbara Blodi, M.D.

9.24 – 9.36  Characterization of Retinal Neovascularization in Branch Retinal Vein Occlusion Using Wide-Field OCTA
Pearse Keane, M.D.

IMAGING OF THE CHOROID
Moderators: Gemmy Cheung, M.D. and Phillip Rosenfeld, M.D., Ph.D.

9.40 – 9.52  Choroidal Alterations Following Systemic Adrenaline and Photodynamic Therapy in Non-Human Primates
Gemmy Cheung, M.D.

9.52 – 10.04  Quantification of Choriocapillaris with SS-OCTA: What We Should Know
Ruikang Wang, Ph.D.

10.04 – 10.16  Quantitative Assessment of the Retinal Microvasculature and Choriocapillaris in Myopic Patients using Swept-Sorce Coherence Tomography Angiography
Steven Sadiya, M.D.

10.16 – 10.28  Swept Source OCT Imaging of Choriocapillaris Flow Deficits, Choroidal Thickness, and Choroidal Vascularity in AMD Eyes with Geographic Atrophy and Drusen
Philip Rosenfeld, M.D., Ph.D.

AMD II
Moderators: Amani Fawzi, M.D. and Alexander Brucker, M.D.

10.32 – 10.44  Imaging Characteristics of Eyes Developing Exudation in the Phase 2 FILLY Trial of APL-2 for Geographic Atrophy
Caroline Baumal, M.D.

10.44 – 10.56  Detection of Reduced Retinal Vessel Density in Eyes with Geographic Atrophy Secondary to Age-Related Macular Degeneration using Projection-Resolved Optical Coherence Tomography Angiography
Steven Bailey, M.D.

10.56-11.08  Multimodal Imaging Features and Outcomes of Macular Neovascularization in Geographic Atrophy
Riccardo Sacconi, M.D.

11.08-11.20  Rotational Three-dimensional OCTA: A Notable New Imaging Tool to Characterize Type 3 Macular Neovascularization
Giuseppe Querques, M.D., Ph.D.

11.30 – 12.20  INAUGURAL LAWRENCE A. YANNUZZI AWARD LECTURE
Introduction of Award Recipient Lawrence Yannuzzi, M.D.
Imaging of the Choriocapillaris
Richard Spaide, M.D.

PACHYCHOROID DISEASE
Moderators: Seung-Young Yu, M.D., Ph.D. and Won Ki Lee, M.D.

12.20-1.20  LUNCH

INHERITED RETINAL DISEASE
Moderators: Lawrence Yannuzzi, M.D. and Elizabeth M. Hartnett, M.D.

2.32 – 2.44  Expanded Clinical Spectrum of Goldmann-Favre Syndrome
Lawrence Yannuzzi, M.D.

2.44 – 2.56  Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) in X-linked Retinoschisis
Elizabeth M. Hartnett, M.D.

2.56 – 3.08  Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) Correlated to Genotypes in Patients with Stargardt and Stargardt-like Macular Dystrophies
Lydia Sauer, M.D.

3.08 – 3.20  OCTA in Familial Exudative Vitreoretinopathy
Xiaoan Ding, M.D., Ph.D.

3.20 – 3.32  North Carolina Macular Dystrophy (NCMD): 50 year Follow Up of the Original Family
Kent Small, M.D.

INFLAMMATORY DISEASE AND BEYOND
Moderators: Caroline Baumal, M.D., and David Sarraf, M.D.

3.34 – 3.46  Choroidal Granulomas Visualized by Swept Source-Optical Coherence Tomography Angiography
Francesco Pichi, M.D.

3.46 – 3.58  Extracellular Microvascular and Structural Macular Abnormalities in Cyto megalovirus Retinitis
Nopasak Phasukkiivatana, M.D.

3.58 – 4.10  Abnormalities in the Neurovascular Unit Identified by Optical Coherence Tomography Angiography in Congenital Optic Nerve Pits
Aristomenis Thanos, M.D.

4.10 – 4.22  Ultrasound Imaging of Myopic Vitreopathy
J. Sebag, M.D.

4.22 – 4.34  Epiretinal Proliferation in Retinal Disease
Jean Pierre Hubschman, M.D.

4.34  ADJOURN
COURSE OBJECTIVES

At the conclusion of this course, participants will be able to:

• Integrate advanced OCT imaging, including en face OCT and OCT angiography, into clinical practice to better diagnose and manage patients with macular disease including macular degeneration and diabetic retinopathy
• Integrate advanced retinal imaging including fundus autofluorescence and wide field angiography into clinical practice to better evaluate and manage patients with retinal disease including macular degeneration and diabetic retinopathy
• Gain knowledge of the new imaging findings of macular diseases including age-related macular degeneration and diabetic retinopathy as well as other less common retinal disorders
• Gain knowledge of the anatomy of the retinal capillary system and its importance in macular diseases using advanced retinal imaging
• Gain knowledge of the Müller cell and its importance in macular diseases using advanced retinal imaging
• Gain insight and understanding of the concept of deep learning and its potential impact on research and clinical care in the field of retinal imaging

ACCREDITATION

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, designates this continuing medical education activity for a maximum of 12.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing accepts courses approved by the AMA for Category 1 credit as meeting the continuing education requirements for license renewal. Nurses from states other than California should inquire with their local state board for specific continuing education policies.

UCLA CONFLICT OF INTEREST DISCLOSURE

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, the Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. We, at UCLA, fully endorse the letter and spirit of this concept.

PARKING AND DIRECTIONS

From the 405 freeway, exit Wilshire Blvd., East toward Westwood. Turn left on Westwood Blvd., travel past Charles E. Young Dr. South and turn left on Structure 8 driveway. Drive up the ramp to the rooftop level to park. Pay per license plate at the kiosk. All day self-parking is $13.00. Please take the stairs down to the ground level and walk across the street past the Westwood Plaza parking kiosk. Take the stairs, which are to the left of Structure 9, to the top and turn right, the CNSI building will be on the right.

ACCOMMODATIONS

HILGARD HOUSE
927 Hilgard Avenue
Los Angeles, California 90024
Within walking distance
Reservations: (310) 208-3945

HOTEL ANGELENO
170 N. Church Lane
Los Angeles, California 90049
Reservations: (310) 476-6411

UCLA TIVERTON HOUSE
900 Tiverton Avenue
Los Angeles, California 90024
Within walking distance
Reservations: (310)794-0151

HOTEL PALOMAR LOS ANGELES – WESTWOOD
10740 Wilshire Blvd.
Los Angeles, California 90024
Reservations: (310) 475-8711

W Los Angeles – WESTWOOD HOTEL
930 Hilgard Avenue
Los Angeles, California 90024
Within walking distance
Reservations: (310) 208-8765

UCLA Meyer & Renee Luskin Conference Center
425 Westwood Plaza
Los Angeles, California 90095
Reservations: (855) 522-8252
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International 
Retinal Imaging 
Symposium 2020

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March 13-14, 2020

REGISTRATION

Registration Fee:
Please make checks payable to UC Regents or pay by credit card
(complete form below)

Friday–Saturday, March 13–14, 2020
☐ IntRIS 2020 Registration Fee: $350.00

Name___________________________________________________

Degree ___________________________________________________

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Cancellation Policy:
A handling fee of $75 will be deducted from each cancelled registration.

No refund for cancellation after February 14, 2020.

Submit registration to:
UCLA Office of Continuing Medical Education
IntRIS 2020
10920 Wilshire Blvd., Suite 1060, Los Angeles, CA 90024
Telephone: (310) 794-2620

or register online at www.cme.ucla.edu